

OPTICS

T32 Fellowship Program
Memorial Sloan Kettering Cancer Center

ONCOLOGY-FOCUSED POSTDOCTORAL TRAINING IN CARE DELIVERY AND SYMPTOM SCIENCE

Now Accepting 2024 Applications!

The **O**ncology-focused **P**ostdoctoral **T**raining **I**n **C**are **D**elivery and **S**ymptom **S**cience (OPTICS) training program will train postdoctoral fellows to conduct research aligned with one or more of four thematic areas related to innovative care delivery: 1) Data Science, 2) Risk Mitigation, 3) Symptom Science, and 4) Care Delivery over a two year period.

About OPTICS

The OPTICS Program aims to train researchers to:

- Acquire expertise in research methods
- Complete an original research study with close mentorship from program faculty
- Develop core professional skills necessary to launch a career in cancer-focused population science



Eligibility

- Applicants must have an MD/DO or PhD/ScD
- Dedicated to pursuing research in Population Science
- US Citizen or green-card holder



Application

- Curriculum Vitae
- At least two letters of recommendation
- 1-page Statement on Accomplishments
- 1-page Statement on Career Goals
- OPTICS Application Form



Get in touch

- Samantha Vasquez
OPTICS Program Coordinator
vasques2@mskcc.org

APPLICATION DEADLINE: WEDNESDAY JANUARY 31, 2024

Visit our website: www.mskcc.org/optics



Postdoctoral Fellow in Biostatistics: Memorial Sloan Kettering Cancer Center

Memorial Sloan Kettering Cancer Center (MSK) is one of the world's premier cancer centers, committed to exceptional patient care, leading-edge research, and superb educational programs. The blending of research with patient care is at the heart of everything we do. The institution is a comprehensive cancer center whose purposes are the treatment and control of cancer, the advancement of biomedical knowledge through laboratory and clinical research, and the training of scientists, physicians, and other health care workers.

We are seeking a highly motivated candidate interested in developing and applying novel statistical methods in the quickly emerging area of data integration for a position as a postdoctoral fellow. The candidate will be involved in various collaborations with a multidisciplinary research team to develop innovative statistical methods to address various challenges of integrating data from different observational epidemiologic studies and population-based surveys with only partial information, for mediation analysis. This position will provide exciting opportunities to work on statistical techniques for non- and semi-parametric statistical models with moderate/high-dimensional mediators while dealing with the practical complexities of large, complex studies with multiple data sources used by modern scientists. The postdoctoral fellow will be co-mentored by Drs. Andriy Derkach and Chaya Moskowitz and for a period of two years, with the possibility of extension for a third year.

The ideal candidate should have:

- PhD degree in biostatistics, statistics, bioinformatics, or a related field
- Experience in methodology in the areas of missing data, public health studies under various sampling designs and high-dimensional data is desired but not required
- Solid methodological training in statistics, be comfortable working with large data sets, proficient in at least one of the statistical programming languages R/Matlab/Python and have experience working on Unix/Linux systems and basic shell scripting

Interested applicants should please email their CV, a letter addressed to Drs. Andriy Derkach and Chaya Moskowitz outlining their interest, as well as names/contact information of three references to:

Maria Andrade Aray
Assistant to the Chairman
andradm@mskcc.org

Salary: \$55,439 – 100,940

MSK is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply and will receive consideration without regard to race, color, gender, gender identity or expression, sexual orientation, national origin, age, religion, creed, disability, veteran status, or any other factor which cannot lawfully be used as a basis for an employment decision.

Federal law requires employers to provide reasonable accommodation to qualified individuals with disabilities. Please tell us if you require a reasonable accommodation to apply for a job or to perform your job. Examples of reasonable accommodation include making a change to the application process or work procedures, providing documents in an alternate format, using a sign language interpreter, or using specialized equipment.

For other job opportunities within our department, please see [here](#).

Post-Doctoral Fellowship in Genetic Epidemiology and Computational Genomics: Memorial Sloan Kettering Cancer Center

Memorial Sloan Kettering Cancer Center (MSK), located in New York City, is one of the world's premier cancer centers. MSK fosters an outstanding research environment spanning the continuum from basic to translational biomedical science, with vibrant training programs at the graduate and post-doctoral level, exceptional opportunities for multi-disciplinary collaborations, and unique resources to support genetic and computational studies of cancer (e.g., the Robert and Kate Niehaus Center for Inherited Cancer Genomics, Functional Genomics Initiative, and Marie-Josée and Henry R. Kravis Center for Molecular Oncology).

We seek a postdoctoral fellow in genetic epidemiology and computational genomics to join an NIH-funded research group focused on understanding the molecular underpinnings of inherited cancer susceptibility. The fellow will lead an array of analytical studies aimed at identifying functional/causal variants and risk genes at novel susceptibility loci for esophageal adenocarcinoma, a highly lethal cancer, and its precursor lesion Barrett's esophagus. These studies will incorporate single-cell sequencing, quantitative trait locus mapping, statistical colocalization and enrichment testing, and functional bioinformatics. As an active member of an interdisciplinary research group, the fellow will build relationships with a range of scientific colleagues, publish peer-reviewed work, present at national conferences, and contribute to grant writing.

Qualifications and attributes of the ideal candidate include:

- A doctoral degree in biostatistics/bioinformatics, epidemiology, or related quantitative discipline.
- Peer-reviewed publications in genetic epidemiology, statistical genetics/genomics, or related fields.
- Interest in applying statistical and computational approaches to understand cancer susceptibility.
- Strong understanding of quantitative methods, study design, and data analysis and interpretation.
- Excellent coding skills in R (and/or Python), and experience working on Linux-based clusters.
- Familiarity with public bioinformatics resources such as Roadmap/ENCODE, GTEx, TCGA.
- Self-motivated, resourceful, enthusiastic; solid verbal and written communication skills.

Interested applicants should send inquiries and applications to buasm@mskcc.org. Please include C.V., contact information for three references, and brief letter of interest addressed to Dr. Matthew F. Buas.

MSK is an equal opportunity and affirmative action employer committed to diversity and inclusion in all aspects of recruiting and employment. All qualified individuals are encouraged to apply and will receive consideration without regard to race, color, gender, gender identity or expression, sexual orientation, national origin, age, religion, creed, disability, veteran status or any other factor which cannot lawfully be used as a basis for an employment decision.

Federal law requires employers to provide reasonable accommodation to qualified individuals with disabilities. Please tell us if you require a reasonable accommodation to apply for a job or to perform your job. Examples of reasonable accommodation include making a change to the application process or work procedures, providing documents in an alternate format, using a sign language interpreter, or using specialized equipment.